GE
Lighting Solutions

Evolve™ LED Area Light

Scalable Wall Pack (EWS1)

imagination at work

Product Features

The GE Evolve™ LED Scalable Wall Pack is optimized for customers looking for an efficient and reliable LED solution for wall mounted, site, area and general lighting applications.

Depending on the application, Evolve™ LED Scalable Wall Pack can yield up to a 75% reduction in system energy consumption compared with standard HID systems. This reliable system operates well in cold temperatures and offers more than 11 years of service life to reduce maintenance frequency and expense, based on a 50,000 hour rated life and 12 hours of operation per day. Containing no mercury or lead, this environmentally responsible product is RoHS compliant.

Applications

- Wall mounted, site, area and general lighting utilizing an advanced LED optical system providing uniformity, vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.

Housing

- Die-cast aluminum housing.
- Sleek architectural design incorporating a heat sink directly into the unit ensuring maximum heat transfer and long LED life.
- Meets 1G vibration standards per ANSI C136.31-2001. For 3G rating contact manufacturer.

LED & Optical Assembly

- Structured LED array for optimized area light photometric distribution.
- Evolve™ LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K & 5700K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

Lumen Maintenance

- System rating is L85 at 50,000 hours. Contact manufacturer for Lxx rating (Lumen Depreciation) beyond 50,000 hours.

Ratings

- UL/cUL listed, suitable for wet locations. (For cUL availability contact manufacturer)
- IP 65 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at –40° to 50°C.
- Upward Light Output Ratio (ULOR) = 0

Mounting

- Flush wall mount to "J" Box with inspection hole for IP 65.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black and Dark Bronze.
- RAL & custom colors available.

Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%*.
- Class "A" sound rating.
- Integral surge protection non-dimming:
  - Tested per IEEE/ANSI C62.41.-1991, 4kV/2kA Location Category B2 (120 Events).
- EMI: Title 47 CFR Part 15 Class A.

** System power factor and THD is tested and specified at 120V input and maximum load conditions.*

Warranty

- 5-year limited system warranty standard.

Ordering Number Logic

Scalable Wall Pack (EWS1)

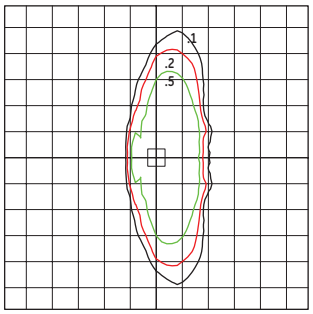
E W S 1 _ _ _ E _ 5 _ _ G _ 1 _ N _ _ _ _ _ _ _

PROD. ID	VOLTAGE	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	LED COLOR TEMP	LENS TYPE	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **W** = Wallpack **S** = Scalable **1** = Optical Assembly	**0** = 120 - 277 **H** = 347 - 480 **1** = 120* **2** = 208* **3** = 240* **4** = 277* **5** = 480* **D** = 347* *Specify single voltage only if fuse option is selected		**E** = Asymmetric Medium	**5** = 525mA	**40** = 4000K **57** = 5700K	**G** = Glass	**1** = None	**N** = Not Applicable	**BLCK** = Black **DKBZ** = Dark Bronze Contact manufacturer for other colors.	**F** = Fusing **XXX** = Special Options

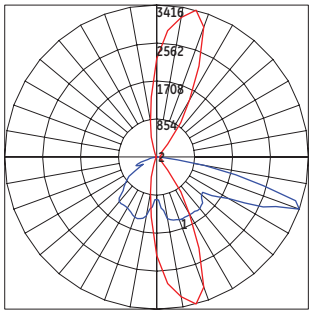
OPTICAL CODE	PHOTOMETRIC TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		IES FILE NUMBER	
		4000K	5700K	120-277V	347-480V	4000K	5700K
A	E	2900	3200	43	47	455027	455030
B		4000	4300	54	59	455028	455037
C		4900	5200	67	74	455029	455038

Photometrics

EWS1 - Asymmetric Medium (CE)
5,200 Lumens, 5700K (GE455038.ies)



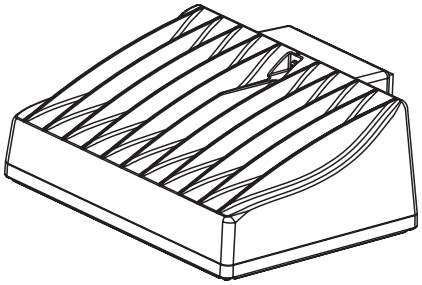
Grid Distance in Units of Mounting Height at 12'
Initial Footcandle Values at Grade



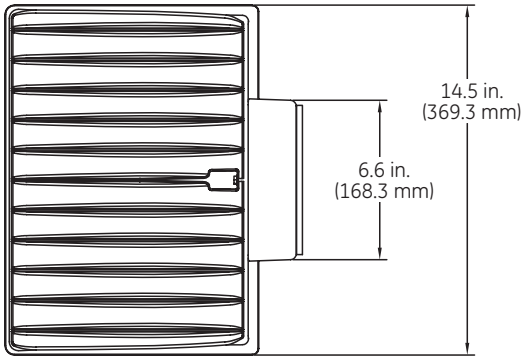
Polar Trace Vertical and Horizontal Plane through
Horizontal Angle of Maximum Candlepower

Product Dimensions

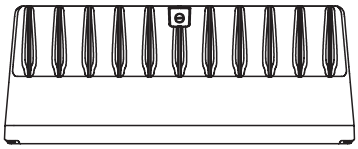
Top/Side View



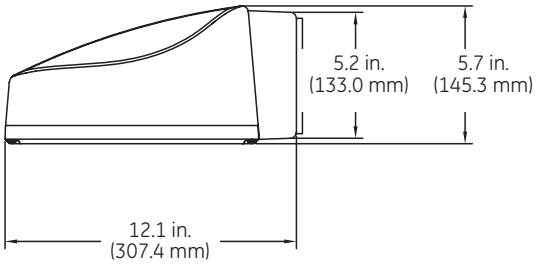
Top View



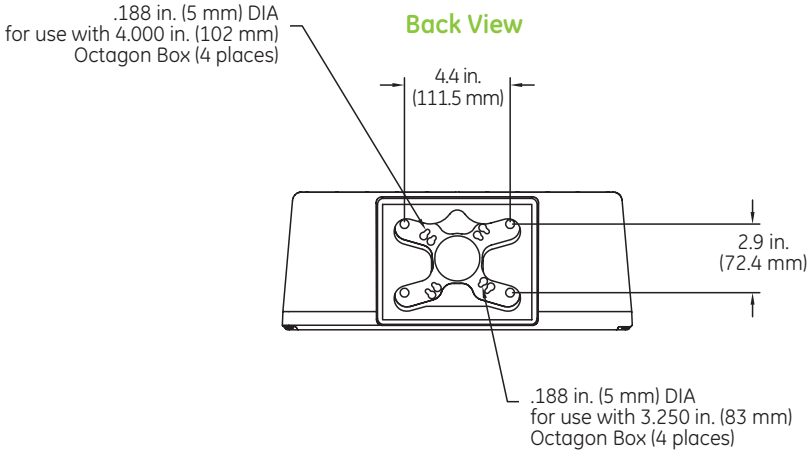
Front View



Side View



Back View


.188 in. (5 mm) DIA
for use with 4.000 in. (102 mm)
Octagon Box (4 places)
4.4 in.
(111.5 mm)
2.9 in.
(72.4 mm)
.188 in. (5 mm) DIA
for use with 3.250 in. (83 mm)
Octagon Box (4 places)

DATA

- Approximate Net Weight: 21 lbs (9.53 kgs)

www.gelighting.com

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